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Enrico Fermi International School of Physics, Volume 118

Laser Manipulation of Atoms and Ions

edited by **E. Arimondo, W.D. Phillips and F. Strumia**

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The recent fascinating progress on laser cooling is the result of the close connection between theoretical work and the rapid technological advances in laser sources, particularly in the field of powerful semiconductor and solid-state lasers operating over a wide range of optical and near-infrared frequencies.
The very close international and personal collaboration amongst the researchers resulting in a direct link between experimental data and theoretical calculations which characterize work in this field, have been important factors in the rapid comprehension of the subtle and beautiful phenomena involved in laser manipulation.
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All students and researchers working in this field will welcome this excellent review of research and progress in laser cooling, so strongly linked to the fundamental understanding of physics.

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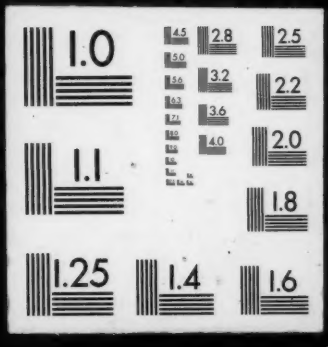
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